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COMBINED DNA/PROTEIN VACCINE COMPOSITIONS

Abstract of the Disclosure

The present invention relates to a combined DNA/Protein antigen vaccine composition which includes nucleic acid molecules and a mineral-based, negatively charged adjuvant, so as to enhance the immunogenicity of the DNA vaccine efficiently, enhancing not only plasmid DNA vaccines but also providing a novel strategy for immunogenic, multivalent combined protein/DNA vaccine delivery. Preferred adjuvants are aluminum or calcium salts, in particular aluminum phosphate.